1st and final bill.

Job code No: 010-21-000001
Estimated cost: 10.00 Lakhs.

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439343

No. Providing g Ladies tiolet in Govt school in Doddabomma-sandra in ward No. 10.

of work ..... From ..... To .....

of Contractor of nature of Agency..... M.C. Adarsh Bangaloor.....

commencement of work..... 13.11.2020.....

Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
01) Earthwork in Surface excavation in ordinary soil for levelling and lowering the ground manually and removing the excavated stuff -- Complete						
Site clearing	1x1	7.20	3.60	0.30	7.78	Cum
		@ Rs. 282.34/cum				Rs 2195.48
CAPTD WO						

13/3

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
2.	Earthwork excavation by manual means for foundation & building water supply, sanitary lines and electrical conduits either in pits or in trenches --- complete						
	External wall	1x2	6.45	0.60	1.20	9.29	
		1x2	3.60	0.60	1.20	5.18	
	Partition wall	1x3	3.25	0.60	1.20	7.02	
		1x4	0.95	0.60	1.20	2.74	
		1x1	0.60	0.60	0.45	0.16	
						24.39	Cum
		at the rate of Rs			509.12	/cum	Rs 12417/44

M. A. R. 57 (Rule 116) No. E 439344

Measurement Book

No. .....

of work ..... From ..... To .....

of Contractor of nature of Agency.....

commencement of work.....

Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
		Length	Breadth			
2	3	4	5	6	7	8
3) Providing and injecting chemical emulsion for Pre-constructional Anti-termite treatment, creating continous chemical barrier under and around the column pits, walls, trenches - - complete						
case wise	1×1	7.20	3.60	-	25.92 Sqm	
	at the rate of Rs 120.19/sqm				Rs 3115.32	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
4.	Providing and laying in position plain cement concrete 1:4:8 with OPC cement @ 180 kgs with 40 mm and down size graded granite metal - - Complete						
	For Foundation						
	External wall	1x2	6.45	0.60	0.15	1.16	
		1x2	3.60	0.60	0.15	0.65	
	Partition wall	1x3	3.25	0.60	0.15	0.88	
		1x4	0.95	0.60	0.15	0.34	
	For flooring	1x1	0.60	0.60	0.15	0.05	
		1x2	1.90	3.25	0.15	1.85	
		1x3	0.95	1.20	0.15	0.51	
						5.45	

M. A. R. 57 (Rule 116) **No. E** 439345

Measurement Book

No. .....

of work ..... From ..... To .....

of Contractor of nature of Agency.....

commencement of work.....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6		8
For Outside Flooring front side C&FIC	1x3	0.95	1.20	0.15	0.51	
	1x1	6.45	0.90	0.15	0.87	
	1x1	4.20	0.90	0.15	0.57	
	1x1	7.40	0.90	0.15	1.00	
					8.40	Cum
		@ Rs	5785.12	/Cum	Rs 48581.99	
					1014	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
5.	Filling available excavated earth in sides of foundation upto plinth in layers not exceeding 20cms in depth, Compacting each deposited layers by ramming --complete.						
	For Flooring	1x2	~~1.90~~	3.25	0.45	5.56	
	C&F LC	1x7	~~0.95~~	1.20	0.45	3.59	
						9.09	cum
				@ Rs 227.91/cum		Rs 2072.1	
06.	Providing and constructing ~~6~~ rubble masonry in foundation with cement mortar 1:6						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439346

.....

work ..... From ..... To .....

Contractor of nature of Agency.....

commencement of work.....

Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
36) Stone hammer dressed in courses less than 20 cms high bond stones at 2m apart -- complete.						
CRFIC	1x2	6.45	0.60	1.05	8.13	
	1x2	3.60	0.60	1.05	4.54	
	1x3	3.25	0.60	1.05	6.14	
	1x4	0.95	0.60	1.05	2.39	
	1x1	0.60	0.60	0.60	0.22	
	1x2	6.45	0.45	0.45	2.61	
	1x2	3.60	0.45	0.45	1.46	
	1x3	3.25	0.45	0.45	1.97	
	1x4	0.95	0.45	0.45	0.77	
					28.23 Cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
			Qty	Ltd	to	26.13	Amt
			@ Rs	4577.52	/cum	Rs	119660
7)	Providing and laying in position reinforced cement concrete of design mix M25 with OPC Cement @ 340 kg with 20mm and down size graded granite metal Coarse aggregates @ .70 Cum -- Complete.						
	Premeasurement taken recorded in this mb page No 43						
	Roof Slab for plinth beam	1x1	6.45	4.55	0.15	4.40	
	Lintel					Qty = 2.27 Cum	
	w_1	1x3	2.30	0.20	0.20	0.28	
	w_2	1x2	1.40	0.20	0.20	0.11	
						1.59	
						1.06	

(439390)

Cancel

M. A. R. 57 (Rule 116) **No. E** 439347

Measurement Book

b. .....

work ..... From ..... To .....

Contractor of nature of Agency.....

commencement of work.....

Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth			
2	3	4	5	6			8
CRPLC work	D_1	1×2	1.20	0.20	0.20	0.10	
	D_2	1×1	1.05	0.10	0.20	0.15	
					Present qty	1.46	Cum 1.31
			@ Rs 6854.38/cum				Rs 50105.00
							51133.67
							Rs 3498.95
							[illegible]

) Providing and erecting centering shuttering, strutting, propping etc and removal of form work for flat surface such as suspended floors - complete

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Roof Slabs C & F	1×1	~~6.45~~	4.55	-	29.35	
					Qty	29.35	Sqm
			@	Rs 453.56/sqm		Rs 13310	
9	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 270 kg with 12mm and down size graded granite metal coarse @ 0.05865 cum and fine @ 0.0391 cum Complete						

not operated

M. A. R. 57 (Rule 116) **No. E** 439348

Measurement Book

No. .....

f work ..... From ..... To .....

f Contractor of nature of Agency.....

commencement of work.....

Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
(10) Providing and removing centering shuttering, stutting propping etc for chajjas corbals etc - - Complete — not Operated —						

MEASU

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
11.	Providing and removing centering shuttering shoring propping etc and removal of form work for sides and soffits of beams --- Complete.					
	Lintel					
	W_1	1	1×6	2.30	–	0.20	2.76
	W_2	1	1×4	1.40	–	0.20	1.12
	D_1	1	1×4	1.20	–	0.20	0.96
	D_2	1	1×14	1.05	–	0.20	2.94
						Qty	7.78
				@ Rs	336.77/Sqm		

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439349

..... From ..... To .....

ractor of nature of Agency.....

encement of work.....

Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth	
2	3	4	5	6	7	8
Providing TMT steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position lapping & welding -- complete.					
Quantity as per premeasurements taken and recorded in page No 439349 of this MB				Qty 0.81	MT
@ Rs 73658.76/MT					Rs 59663.60

Contractor

MEASURE

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
13.	Providing and constructing load bearing wall with Solid concrete blocks having block density not less than 1800 kg/cum having a minimum average compressive strength of 3.5 N/mm² in all floors and heights in cement mortar 1:6 (1 cement : 6 coarse sand) including curing complete.					
	External walls	1x2	6.45	—	2.90	37.41
		1x2	3.60	—	2.90	20.88
						58.29
	Deductions					
	D1	1x-2	0.90	—	2.10	-3.78
	W1	1x-3	1.90	—	0.40	-2.28
	W2	1x-1	1.05	—	0.40	-0.42
					Qty	51.81

CC FC Details

03/08/2022

M. A. R. 57 (Rule 116) No. E 439350
Measurement Book

b. .....

work ..... From ..... To .....

Contractor of nature of Agency.....

commencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
		at the rate of RS 1090.80/sqm				Rs 56514.35
14) Providing and constructing non-load bearing wall with Solid Concrete blocks of size 400 x 100 x 200mm having block density not less than 1600 kg/m³ having a minimum average compressive strength of 4.00 N/mm² : Complete.						
Partition wall	1X3	3.25		2.10	20.48	
	1X4	0.95		2.10	7.98	
	1X1	0.60		1.25	0.75	
					29.20	

MEASU...

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Deductions D2 CSFIC	1x-7	0.75	–	2.00	-10.50
				Present Qty		18.71
				@ Rs 984.47/sqm		
15	Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landing laid on a bed of 12mm thick, cement mortar 1:3 -- complete					
	Toilets CSFIC	1x6	0.95	1.20	–	6.84
		1x2	1.90	3.25	–	12.35
					Qty	19.19

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439351

No. .....

work ..... From ..... To .....

Contractor of nature of Agency.....

commencement of work.....

Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	at the rate of Rs 1528.49/sqm				Rs 2933.72	
16) Providing skirting, dado, risers of steps with white glazed tiles 20×20 cms 6mm thick on 10mm thick cement plaster 1:3 and joined with white cement slurry - complete						
Toilet C/s/c	1×6	4.30	-	2.10	54.18	
	1×4	3.25	-	2.10	27.30	
	1×4	1.90	-	2.10	15.96	
Partition wall	1×1	0.60	-	2.60	1.56	
					99.00	

MEASUREM

Date	Full description, etc, of work	Dimensions				Content
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	
	Deduction for Door					
	C&FIC	1x-2	~~0.90~~	–	2.10	-3.78
	D	1x-14	~~0.75~~	–	2.00	-21.00
					Qty	74.22
			@ Rs 1324.39/sqm			Rs
(17)	Providing and laying flat form using proposed watertight gang saw 40mm thick telephonic Black Granite, laid on existing wall - -- complete					

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439352

....

work ..... From ..... To .....

Contractor of nature of Agency.....

ommencement of work.....

Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
not operated						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
18.	Providing Mathi/Nandi wood frames of doors windows clerestory windows, ventilators other frames including making plastic groove framed & assembled complete.						
		D,	1x2	6.20	0.12	@0.10	0.15
						Qty	0.15 cum
						Ltd to	0.14 cum
						@ Rs 82996.36/cum	Rs 11321
19.	Providing and fixing in position fully panelled Mathi/Nandi wood shutters for doors styles and rails of 40mm, thick with bottom and lock rails						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439353

..... work ..... From ..... To .....

Contractor of nature of Agency.....

ommencement of work.....

Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
		Length	Breadth	Depth		
2	3	4	5	6	7	8
180mm wide top rail and styles 100 mm wide as per - complete						
CRFR	D1	1x2	0.90	-	2.10	3.78 sqm
					@ kg	3.78 sqm
			@ Rs. 4735.13/sqm			Rs 17898.79
						16106
20) Supply and fixing of door frame made of hollow extruded PVC. Section having dimention of 40x57 mm with the wall thickness of 2mm +/- 0.2mm duly reinforced - - complete						

MEAS

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	C & FIC D2	1×T	45.70	-	-	39.90
					Qty	39.90
		@ Rs 283.47/Rmtr				M
21	Providing fixtures with made brass / ss EP qu quality for Main doors Internal and Toilet doo Hinges 5" heavy duty, Door lock, Tower Bolt 300 mm -- complete.					
	Hinges 5"	1×2	3.00	-	-	6.00
					Present Qty	6.00
		@Rs	32.92/NO			M

Contractor's

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439354

.....

ork ..... From ..... To .....

ontractor of nature of Agency.....

nmencement of work.....

Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
22) Door Lock Cupic						
D_1	1×2	1·00	–	–	2·00	
				Qty	2·00	No.
		@ ₹	364·80 / No			₹ 729·60.
						11/06
23) Tower Bolt 300mm long						
D_1	1×2	2·00	–	–	4·00	
				Qty	4·00	No.
		@	₹ 140·06 / No			₹ 560·24
						11/11

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
24.	Aluminum handles – 15cms						
	C&FIC	D1	1X2	2.00	–	–	4.00
					Qty	4.00	sqm
				@ Rs	62.28/sqm	Rs	249.12
25.	Locking Arrangements						
	C&FIC	D1	1X2	1.00	–	–	2.00	No
					Qty	2.00	No.
				@ Rs	578.34/No	Rs	1156.68
26.	40 mm Screws.						
	C&FIC	D1	300	–	–	–	300.00	No
				@ Rs	2.67/No	Rs	801.00

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439355

.....

Work ..... From ..... To .....

Contractor of nature of Agency.....

mmencement of work.....

Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
		Length	Breadth	Depth		
2	3	4	5	6	7	8
27) Solid PVC Door Frame Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam -- complete						
	2	1x7	0.75	–	2.10	11.03 sqm
				Qty	11.03	sqm
				@ ₹	530.66/sqm	₹ 5850.53
28) Providing 18mm thick cement plaster in single coats with cement mortar 1:6 to Brick Masonry including rounding						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	off corners wherever required smooth, rendering, pound						
CR FLC	External wall	1x2	6.45	-	3.05	39.35	
		1x2	3.60	-	3.05	21.96	
	Projection slab	1x1	6.45	-	1.00	6.45	
						67.76	
	Deductions D1	-2x1	0.90	-	2.10	-3.78	
	W1	-3x1	1.90	-	0.40	-2.28	
	W2	-1x1	1.05	-	0.40	-0.42	
					qty	61.27	sqm
	@ Rs 277.80/sqm	qty		Ltd	to	56.70	sqm
						Rs	15751

14/11

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439356

.....

Work ..... From ..... To .....

Contractor of nature of Agency.....

Commencement of work.....

Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
29) Providing 12 mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding of corners wherever required smooth scuring - - complete.						
For Foundation						
External wall	1x2	6.45	-	0.80	10.32	
	1x2	3.60	-	0.80	5.76	
Partition wall	1x1	3.25	-	0.15	0.46	
					16.54	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6		
	Deductions					16.54	
	C&I/c	W_1	3×1	1.90	-	0.40	-2.28
		W_2	-1×1	1.05	-	0.40	-0.42
						Qty	13.87
						@ Rs 218.84/Sqm	Rs
30.	Providing 15mm thick cement plaster in single coat with cement mortar 1:4 to brick masonry						
	Ceiling						
	C&I/c	1×2	1.90	3.25	-	12.35	
		1×6	0.95	1.20	-	6.84	
						Qty	19.19 Sqm

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439357

.....

ork ..... From ..... To .....

ontractor of nature of Agency.....

mmencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
			@ Rs	250.59/sqm	Rs 4808.82	
81) Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty, scrapping and levelling the surface using steel blade and preparing the surface even and smooth - - complete					13.84	
Qty same as Inside Plastering					13.87	sqm
Ceiling Plastering Qty				9.19	6.84	sqm
				Qty	20.71	sqm 2923.82
			@ Rs 88.44/sqm		33.06	Rs 1831.37
					33.03	

Date	Full description, etc, of work	Dimensions				
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
100.	Fixing all types and all capacities Flo False ceiling / spot light / CFL fittings Ind on the wall / ceiling / baffles / girders us using 23/0.0076 mm twin twisted PVC insul wires -- Complete.					
	CRF II	8	—	—	—	8.00
	Asst. Executive Engineer Project Division Yelahanka Zone Bangalore-64 29/06					@ Rs 115.49/each

Dimensions

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439382

..... From ..... To .....

tractor of nature of Agency.....

nencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	DA	808977.00			Total	810805.22
	Qu	7077.00			GST 12%	97296.00
		908054.00				908101.85
				Grand total		

Certificate

1. certified that the work done is satisfactory.

2. There is no departmental ~~expecting~~ issues by BBMP.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	
	Head of Account P 2575					
	Audited & admitted for Rs 8,60,390.00					
	by Cheque					
	and Rs 45,610.00 by Adjustment					
	Acct. Clerk Project Division					
	Acct. Supdt. Project Division B.B.M.P.					
	Exe. Engineer Project Division B.B.M.P					
		BA	90600.00			
		ಬೆ	9100.00			
		ಕೆಬಿ	8100.00			
		ಕೆಬಿ	8100.00			
		ಟಿ	10310.00			
		ಡಿಲಿ	9100.00			
		ಪಿಡಿ	900.00			
			45610.00			
			8,60,390.00			

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

439383

.....

..... From ..... To .....

actor of nature of Agency.....

ncement of work.....

ll description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8